Fall 2011 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0009	Overall LMA	Total LMA				
Lake County Watershed Protection	Rating	Miles				
District	Α	10.47				
Rated Item Earthen Levee	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Vegetation	0.20		0.20	1.91%		
Trim / Thin Trees	0.13		0.13	1.24%		
Encroachments	0.04		0.04	0.38%	0.16	0.02
LMA Totals:	0.37	0.00	0.37	3.53%	0.16	0.02
Unit No. 01 Middle Creek LB	Overall Unit Rating	Total Unit Miles				
NA0009	Α	3.42				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee Vogetation	0.12		0.12	3.51%		
Vegetation Encroachments	0.12		0.12	0.29%	0.09	
Unit Totals:	0.01	0.00	0.01	3.80%	0.09	0.00
Unit rotals.	0.13	0.00	0.13	3.00%	0.09	0.00
Unit No. 02 Middle Creek RB	Overall Unit Rating	Total Unit Miles				
NA0009	Α	3.13				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee	IVI IVIIIES	U ivilles	IVI + 40 IVIIIeS	Tillesiloiu %	ro miles	CO Miles
Vegetation	0.01		0.01	0.32%		
Encroachments	0.01		0.01	0.32%	0.01	0.02
Unit Totals:	0.02	0.00	0.02	0.64%	0.01	0.02
Unit No. 03 Scotts Creek LB	Overall Unit Rating	Total Unit Miles				
NA0009	A	1.35				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroad PO Miles	
Earthen Levee Vegetation	0.06		0.06	4.44%		
Encroachments	0.00		0.00	4.44 /0	0.01	
Unit Totals:	0.06	0.00	0.06	4.44%	0.01	0.00
			0.00	,	0.0.	0.00
Unit No. 04 Page, Alley and Clover Creek Diversion RB	Overall Unit Rating	Total Unit Miles				
NA0009	A	1.53				h
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Earthen Levee Trim / Thin Trees	0.13		0.13	8.50%		
Encroachments	0.02		0.02	1.31%	0.05	
Unit Totals:	0.15	0.00	0.15	9.80%	0.05	0.00
om rotalo.	0.10	0.00	0.10	0.0070	0.00	0.00

Fall 2011 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 05 Clover Creek and Clover Creek Diversion LB	Overall Unit Rating	Total Unit Miles				
NA0009	A	1.04				
					Encroad	hments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Earthen Levee		<u>'</u>			<u>'</u>	
Vegetation	0.01		0.01	0.96%		
Unit Totals:	0.01	0.00	0.01	0.96%	0.00	0.00

LMA District Cover Sheet

Fall 2011 Levee Inspection Results

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)							
* Overall LMA Rating (Fall Only)			A								
	** Non-receipt of Su	mmer or Winter Inspe	ection Reports may effec	ct overall annual rating							
* SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall. FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.											
Comments											

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Lake County Watershed Protection District

	Water	way		Bank	Unit Miles
	Unit No. 01 M	iddle Creek		Left	3.42
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	4/13/2011 - 4/13/2011		11/15/2011 - 11/15/2011		
DWR Inspector	Bob Duffey		Bob Duffey		
Accompanied By	Tom Smythe Lake Co.		Tom Smythe Lake Co.		
Check one:	vinter (or summer) inspection p	period. mv staff or I hav	e inspected the levee and asso	ociated fl	ood
project components conditions other tha	identified in the attached Leve	e Inspection Report by	Mile. We have found no chang ections we have made to maint	ges in flo	
project components maintenance and th following changes in	identified in the attached Leve e corrections we have made to a flood project conditions. ction below or on additional sho	ee Inspection Report by o maintenance deficiend eet(s), identify change of	e inspected the levee and asso Mile. In addition to the results cies identified in the report, we of condition by: Start to End Leon, and description of the curre	of our no have fou	ormal und the or GPS
Comments		<u> </u>	·		
One of the boxes above is information must also be	submitted. This Unit Cover She sheets by September 30 (Sum all of this information to:	eet should be signed ar	, Suite 200	tative an	d returned to

Signature of LMA Representative

NA0009

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	11/15/2011 11/15/2011	Bob Duffey

LMR	Explanation Levee Mile		Catagory	Category Item		Rating	Action/Comment	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Category	item	Location	ing	Action/Comment	Start	End	Photo
1	2.10	2.10	Earthen Levee	Encroachments	CR	М	Pipe	39.162317 ° -122.915502 °	39.162317 ° -122.915502 °	1 Y
2	2.40	2.40	Earthen Levee	Encroachments	LS	РО	Buildings	39.160217 ° -122.912957 °	39.161692 ° -122.911748 °	7
3	2.48	2.55	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	39.161615 ° -122.911733 °	39.160795 ° -122.912442 °	3
4	2.58	2.61	Earthen Levee	Encroachments	LS	РО	Fences	39.160398 ° -122.912837 °	39.159952 ° -122.913220 °	4 Y
5	2.62	2.67	Earthen Levee	Encroachments	LS	РО	Landscaping	39.159657 ° -122.913345 °	39.159657 ° -122.913345 °	5
6	2.68	2.73	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	39.159117 ° -122.913442 °	39.158408 ° -122.913557 °	6

Levee Inspection Report By Mile - Fall 2011

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	11/15/2011 11/15/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Crown
Category	Earthen Levee
Item	Encroachments
View of the drain pipe go	ing across the levee.

rduffey_f_20111122_507.jpg

Levee Mile Report Line	4
Start Levee Mile	2.58
End Levee Mile	2.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fences at the	L/S toe.

rduffey_f_20110927_462.jpg





NA0009

Flood Control Project Maintenance Levee Inspections

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Lake County Watershed Protection District

	Water	way		Bank	Unit Miles						
	Unit No. 02 M	•		Right	3.13						
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)						
Unit Maintenance Rating (Fall Only)			Α								
Date of Inspection	4/13/2011 - 4/13/2011		11/15/2011 - 11/15/2011								
DWR Inspector	Bob Duffey		Bob Duffey								
Accompanied By	Tom Smythe Lake Co.		Tom Smythe Lake Co.								
conditions other that deficiencies identified During the current was project components maintenance and the following changes in the comment see	 During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS 										
	n (Land Side, Water Side, or C	nown), nem identification	on, and description of the curre	THE COTTON							
One of the boxes above is	s to be checked by the Local M	Jaintaining Agonov (I M	A) If the second havis checks	d additio	anal						
information must also be s	submitted. This Unit Cover She sheets by September 30 (Sum all of this information to:	eet should be signed ar	nd dated by the LMA Represent of 31 (Winter Inspection). Pleast spection Reports e, Suite 200	tative an	d returned to						

Signature of LMA Representative

Levee Inspection Report By Mile - Fall 2011

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	11/15/2011 11/15/2011	Bob Duffey

LMR	Levee Mile Cotogony		ory Item * To * Action/Comment		Action/Comment	GPS Latitu	de/Longitude	Issue No.		
No.	Start	End	Category	пеш	tion	ing	Action/Comment	Start	End	Photo
1	0.20	0.20	Earthen Levee	Encroachments	LS C	0	Buildings	39.187039 ° -122.908880 °	39.187039 ° -122.908880 °	
2	1.03	1.04	Earthen Levee	Vegetation	LS N		Remove the wild growth other than native grasses from the levee slopes.	39.177218 ° -122.913673 °	39.176992 ° -122.913642 °	
3	1.05	1.05	Earthen Levee	Encroachments	LS P	0	Buildings	39.176875 ° -122.913685 °	39.176875 ° -122.913685 °	
4	1.06	1.06	Earthen Levee	Encroachments	LS N	И	Tree or limb	39.176835 ° -122.913558 °	39.176835 ° -122.913558 °	
5	1.06	1.06	Earthen Levee	Encroachments	LS C	0	Fences	39.176815 ° -122.913540 °	39.176815 ° -122.913540 °	

N : Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Fall 2011

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	11/15/2011 11/15/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.20
End Levee Mile	0.20
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the vegetation ar landside toe of levee.	nd building next to the

rduffey_f_20110927_463.jpg

Levee Mile Report Line	3
Start Levee Mile	1.05
End Levee Mile	1.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
\	tion oloma the love a too

View of building & vegetation along the levee toe.

		rduffey_	f_201	10927	464.jpg
--	--	----------	-------	-------	---------

Levee Mile Report Line	4						
Start Levee Mile	1.06						
End Levee Mile	1.06						
Location	Land Side						
Category	Earthen Levee						
Item	Encroachments						
View of the tree prunings on the W/S toe.							

rduffey_f_20111122_503.jpg







Location	
LS : Land	Side

WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	11/15/2011 11/15/2011	Bob Duffey

Levee Mile Report Line	5						
Start Levee Mile	1.06						
End Levee Mile	1.06						
Location	Land Side						
Category	Earthen Levee						
Item	Encroachments						
View of the building & fence along the L/S toe.							
rduffey_f_20111122_504.jpg							



Unit Cover Sheet

Fall 2011 Levee Inspection Results

Lake County Watershed Protection District

	Water	way		Bank	Unit Miles				
	Left	1.35							
	Winter (December - February)								
Unit Maintenance Rating (Fall Only)			Α						
Date of Inspection	4/13/2011 - 4/13/2011		11/15/2011 - 11/15/2011						
DWR Inspector	Bob Duffey		Bob Duffey						
Accompanied By	Tom Smythe Lake Co.		Tom Smythe Lake Co.						
Check one: During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.									
	ction below or on additional she n (Land Side, Water Side, or C								
Comments									
information must also be s DWR with any additional s	One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to: DWR Summer/Winter Inspection Reports 3310 El Camino Avenue, Suite 200 Sacramento, CA 95821-9000								

Signature of LMA Representative

Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.35	11/15/2011 11/15/2011	Bob Duffey

LMR N	Levee	-	Category	Item	Location	Rating	Action/Comment	GF3 Latitude/Longitude		Issue No.
No.	Start	End)n	u		Start	End	FIIOLO
1	0.53	0.53	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes.	39.154815 ° -122.918717 °	39.154815 ° -122.918717 °	
2	0.97	0.97	Earthen Levee	Encroachments	WS	РО	Tank	39.160108 ° -122.922110 °	39.160108 ° -122.922110 °	
3	1.06	1.12	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	39.159772 ° -122.923540 °	39.159605 ° -122.924610 °	

Levee Inspection Report By Mile - Fall 2011

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.35	11/15/2011 11/15/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.53
End Levee Mile	0.53
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the clean levee.	

Levee Mile Report Line	2
Start Levee Mile	0.97
End Levee Mile	0.97
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of a tank that needs	to be removed from the

View of a tank that needs to be removed from the W/S slope.

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rduffey_f_20111122_506.jpg





Unit Cover Sheet

Fall 2011 Levee Inspection Results

Lake County Watershed Protection District

	Water	wav		Bank	Unit Miles
	Right	1.53			
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	4/13/2011 - 4/13/2011		11/15/2011 - 11/15/2011		
DWR Inspector	Bob Duffey		Bob Duffey		
Accompanied By	Tom Smythe Lake Co.		Tom Smythe Lake Co.		
Check one:					
project components conditions other tha	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai and in the enclosed report.	e Inspection Report by	Mile. We have found no chang	ges in flo	ood ood project
project components maintenance and th	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to n flood project conditions.	e Inspection Report by	Mile. In addition to the results	of our no	ormal
(In the comment sec	ction below or on additional sho n (Land Side, Water Side, or C				
Comments					
information must also be		eet should be signed ar	nd dated by the LMA Represen ch 31 (Winter Inspection). Plea respection Reports	itative an	d returned to
		Sacramento, CA 95821-			

Date

Signature of LMA Representative

Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.53	11/15/2011 11/15/2011	Bob Duffey

LMR	Levee	Mile	Catagory	Item	Location	Rating	Action/Comment	GPS Latitud	de/Longitude	Issue No.
No.	Start	End	Category	item	tion	ing	Action/Comment	Start	End	Photo
1	0.82	0.87	Earthen Levee	Encroachments	LS	РО	Fences	0	0	3
2	0.90	0.90	Earthen Levee	Encroachments	LS	М	Garbage	39.178545 ° -122.896648 °	39.178545 ° -122.896648 °	1 Y
3	0.90	0.90	Earthen Levee	Encroachments	LS	М	Prunings	39.178545 ° 122.896648 °	39.178545 ° 122.896648 °	4 Y
4	1.05	1.18	Earthen Levee	Trim / Thin Trees	LS	М	Trim trees to at least five feet above ground level.	39.180479 ° -122.896567 °	39.181947 ° -122.895112 °	2 Y

Levee Inspection Report By Mile - Fall 2011

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.53	11/15/2011 11/15/2011	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	0.90
End Levee Mile	0.90
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the garbage and slope of the levee.	wood on the landside

rduffey_f_20110927_466.jpg

Levee Mile Report Line	3
Start Levee Mile	0.90
End Levee Mile	0.90
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the walnut tree pruning along the L/S toe.

rduffey_f_20111122_508.jpg

Levee Mile Report Line	4
Start Levee Mile	1.05
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of trees that need to	be removed.

rduffey_f_20110927_467.jpg







Location							
LS : Land Side							
WS : Water Side							
CR : Crown							

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor

N : Not Inspected, see Inspector Comment

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Lake County Watershed Protection District

	Water	way		Bank	Unit Miles
U	Left	1.04			
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	4/13/2011 - 4/13/2011		11/15/2011 - 11/15/2011		
DWR Inspector	Bob Duffey		Bob Duffey		
Accompanied By	Tom Smythe Lake Co.		Tom Smythe Lake Co.		
project components conditions other that deficiencies identifies During the current was project components maintenance and the following changes in (In the comment see coordinates, location)	identified in the attached Leven the results of our normal maid in the enclosed report. winter (or summer) inspection pridentified in the attached Levene corrections we have made to a flood project conditions.	ee Inspection Report by intenance and the corresponding of the correspon	e inspected the levee and assortions. We have found no change ections we have made to maint the inspected the levee and assortion. In addition to the results cies identified in the report, we not condition by: Start to End Lepon, and description of the curre	ges in flo enance ociated fl of our no have fou	ood project ood ormal und the
information must also be s	submitted. This Unit Cover She sheets by September 30 (Sum all of this information to:	eet should be signed ar	e, Suite 200	tative an	d returned to

X

Signature of LMA Representative

Levee Inspection Report By Mile - Fall 2011

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.04	11/15/2011 11/15/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location*	Rati	Action/Comment	GPS Latitud	Issue No.	
	Start	End	Calegory	ltem	tion	ng	Action/Comment	Start	End	Photo
1	0.30	0.30	Earthen Levee	Vegetation	LS	М	Elderberries are blocking visibility and flood fight capability.	39.176957 ° -122.898673 °	39.176957 ° -122.898673 °	
2	0.55	0.55	Earthen Levee	Vegetation	LS	Α	Remove the wild growth other than native grasses from the levee slopes.	39.175723 ° -122.902862 °	39.175723 ° -122.902862 °	

N : Not Inspected, see Inspector Comment

Levee Inspection Report By Mile - Fall 2011

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.04	11/15/2011 11/15/2011	Bob Duffey

Levee Mile Report Line	1		
Start Levee Mile	0.30		
End Levee Mile	0.30		
Location	Land Side		
Category	Earthen Levee		
Item	Vegetation		
the levee. rduffey_f_20110927_468.jpg			
Levee Mile Report Line	2		
Start Levee Mile	0.55		
End Levee Mile			
Liid Levee iville	0.55		

rduffey_f_20110927_468.jpg					
Levee Mile Report Line	2				
Start Levee Mile	0.55				
End Levee Mile	0.55				
Location	Land Side				
Category	Earthen Levee				
Item	Vegetation				
View of the clean levee.					
rduffey_f_20111122_505.jpg					



